

Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書

ence, post office address and citizenship are as stated next
me.
I am the original, first and sole inventor (if only one name below) or an original, first and joint inventor (if plural names d below) of the subject matter which is claimed and for patent is sought on the invention entitled
EMICONDUCTOR DEVICE
cification of which is attached hereto unless the following t is checked:
s filed on United States Application Number or T International Application Number and was amended on (if applicable).
state that I have reviewed and understand the contents of re identified specification, including the claims, as amended mendment referred to above.
viedge the duty to disclose information which is material to illity as defined in Title 37, Code of Federal Regulations, 1.56.

Burden Hour Statement: This form is estimated to take 0.4 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner of Patents and Trademarks, Washington, DC 20231.





Approved for use through 9/30/98. OMB 0651-0032

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条 (a)-(d) 項又は365条(b) 項に基き下記の、米国以外の国の少なくとも一カ国を指定している特許協力条約365 (a) 項に基ずく国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示している。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s) **Priority Not Claimed** 外国での先行出願 優先権主張なし 2000-315785 16/October/2000 <u>Japan</u> П (Country) (Number) (Day/Month/Year Filed) (番号) (国名) (出願年月日) (Number) (Country) (Day/Month/Year Filed) (番号) (国名) (出願年月日) 私は、第35編米国法典119条 (e) 項に基いて下記の米国 I hereby claim the benefit under Title 35, United States Code, 特許出願規定に記載された権利をここに主張いたします。 Section 119(e) of any United States provisional application(s) listed below. (Application No.) (Application No.) (Filing Date) (Filing Date) (出願番号) (出願日) (出願番号) (出願日)

私は、下記の米国法典第35編120条に基いて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基すく権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of application.

(Application No.)(Filing Date)(Status: Patented, Pending, Abandoned)(出願番号)(出願日)(現況:特許許可済、係属中、放棄済)(Application No.)(Filing Date)(Status: Patented, Pending, Abandoned)(出願番号)(出願日)(現況:特許許可済、係属中、放棄済)

私は、私自身の知識に基ずいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じるところに基ずく表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基ずき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行なえば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.





PTO/SB/106(8-96) (Modulated spacing)
Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語宣言書)

委任状: 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。 (弁護士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

John R. Mattingly, Reg. No.30,293;
Daniel J. Stanger, Reg. No.32,846;
Shrinath Malur, Reg. No.34,663;
Gene W.Stockman, Reg. No. 21,021;
Jeffrey; M. Ketchum,Reg. No.31,174;
Scott W.Brickner, Reg. No.34553;

書類送付先

Send Correspondence to:

Mattingly, Stanger & Malur, P.C. 1800 Diagonal Road, Suite 370 Alexandria, Virginia 22314

直接電話連絡先: (氏名及び電話番号)

Direct Telephone Calls to: (name and telephone number)

Telephone: (703) 684-1120 FAX: (703) 684-1157

唯一または第一発明者		Full name of sole or first inventor Toru ISHIDA
発明者の署名	日付	Inventor's signature Date Soplemer / 1/200
住所		Residence
		Tama, Japan
国籍		Citizenship
		Japan
私書箱		Post Office Address
,		c/o Hitachi Hokkai Semiconductor, Ltd.
-		145, Aza Nakajima, Nanaecho, Kameda-gun,
		Hokkaido 041-1196, Japan

(第二以降の共同発明者についても同様に記載し、署名をする こと)

(Supply similar information and signature for second and subsequent joint inventors.)





Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

第二共同発明者	Full name of second joint inventor, if any Tetsuharu URAWA
第二共同発明者の署名 日付	Second inventor's signature Date Tetsuharu Urawa 1/september/2007
住所	Residence,
国籍	Kodaira, Japan Citizenship
Z D. H.	Japan
私書箱	Post Office Address
	c/o Hitachi Hokkai Semiconductor, Ltd.
	145, Aza Nakajima, Nanaecho, Kameda-gun, Hokkaido 041-1196, Japan
第三共同発明者	Full name of third joint inventor, if any
第二六四九为 有	Fujio ITO
第三共同発明者の署名 日付	Third inventor's signature Date
N=>(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(1)(Fujio Sto 4/September/200/
住所	Residence
	Hanno, Japan
国籍	Citizenship
	Japan
私書箱	Post Office Address
	c/o Hitachi ULSI Systems Co., Ltd.
•	22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-8522
<u>`</u>	Japan
第四共同発明者	Full name of fourth joint inventor, if any
	Tomoo MATSUZAWA
第四共同発明者の署名 日付	Fourth inventor's signature Date 5/September/200
住所	Residence
	Tokyo, Japan
国籍	Citizenship
er struck	Japan
私書箱	Post Office Address
	c/o Hitachi ULSI Systems Co., Ltd.
	22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-8522
第五共同発明者	Japan Full name of fifth joint inventor, if any
为 业大門元明日	Kazunari SUZUKI
第五共同発明者の署名 日付	Fifth inventor's signature Date / , /
84보시티션입니어된 다음 111	Kazunari Suzuhi 5/September/200
住所	Residence
page 21	Tokyo, Japan
国籍	Citizenship
• • • •	Japan
私書箱	Post Office Address
·	c/o Hitachi ULSI Systems Co., Ltd.
	22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-8522
	Japan
(第六以降の共同発明者についても同様に記載し、署名をする	(Comple similar information and simple for the state of
• • • • • • • • • • • • • • • • • • • •	(Supply similar information and signature for sixth an
こと)	subsequent joint inventors.)



Approved for use through 9/30/98. OMB 0651-0032
Patent and Trademark Office; U.S. DEPARTMETNT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

第六共同発明者		Full name of sixth joint inventor, if any Akihiko KAMEOKA
第六共同発明者の署名	日付	Sixth inventor's signature Date Akuhuko Kameoka 3/September / 200/ Besidence
住所		Residence
		Ogose, Japan
国籍		Citizenship
		Japan
私書箱	, , , , , , , , , , , , , , , , , , , ,	Post Office Address
		c/o Hitachi ULSI Systems Co., Ltd.
		22-1, Josuihoncho 5-chome, Kodaira-shi, Tokyo 187-852
		Japan
第七共同発明者		Full name of seventh joint inventor, if any
20 C2 (132 23 E		Hiromichi SUZUKI
第七共同発明者の署名	日付	Seventh inventor's signature Date
70 C/(1/0.7/1 / D L L	11 7	Hiromichi Suzuki 4/September/200
住所		Residence
ши		Tokyo, Japan
		Citizenship
E474		Japan
私書箱		Post Office Address
位曾相		
		c/o Hitachi, Ltd., Intellectual Property Group New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
	•	_
Mr. n. LL in Stenn W.		Chiyoda-ku, Tokyo 100-8220, Japan
第八共同発明者		Full name of eighth joint inventor, if any
Mr. o. 11 En 35 pp et en 112 fe	- · · · · · · · · · · · · · · · · · · ·	₁ Takuji IDE
第八共同発明者の署名	日付	Eighth inventor's signature Date
As me		Takuji Ide 5/September / 2001
住所	•	Residenče
		Higashimurayama, Japan
国籍		Citizenship
		Japan
私書箱		Post Office Address
		c/o Hitachi, Ltd., Intellectual Property Group
		New Marunouchi Bldg. 5-1, Marunouchi 1-chome,
<u> </u>		Chiyoda-ku, Tokyo 100-8220, Japan
第九共同発明者		Full name of ninth joint inventor, if any
第九共同発明者の署名	日付	Ninth inventor's signature Date
住所		Residence
国籍		Citizenship
私書箱		Post Office Address
(第十以降の共同発明者につ ごと)	いても同様に記載し、署名をする	(Supply similar information and signature for tenth a subsequent joint inventors.)